

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for testing devices, said system comprising:
 - a first device for test;
 - a second device for test coupled to said first device in a scan chain;
 - and
 - a signal selector coupled between said first and second devices, said signal selector for selecting between an output signal that is output from said first device and a bypass signal that has bypassed said first device depending on whether said signal selector detects power in a first power rail coupled to said first device.
2. (Currently Amended) The system of Claim 1 wherein said signal selector is coupled to said a first power rail ~~that is also coupled to said first device.~~
3. (Currently Amended) The system of Claim 1 [[2]] wherein said signal selector selects said bypass signal when said first power rail is low and said output signal when said first power rail is high.
4. (Currently Amended) The system of Claim 1 [[2]] wherein said signal selector is ~~also~~ coupled to a standby power rail that powers said signal selector.
5. (Canceled).
6. (Original) The system of Claim 1 wherein said second device is coupled to a second power rail.

7. (Original) The system of Claim 1 wherein said signal selector is a multiplexer.

8. (Original) The system of Claim 1 wherein said first and second devices are boundary scan compliant devices.

9. (Currently Amended) A method of testing devices in a scan chain, said method comprising:

selecting a bypass signal that has bypassed a first device;

selecting an output signal instead of said bypass signal, said output signal being output from said first device, wherein said output signal is selected when power is detected in a first power rail coupled to said first device and wherein otherwise said bypass signal is selected; and

forwarding a selected signal to a second device in said scan chain.

10. (Currently Amended) The method of Claim 9 wherein said selecting between said bypass signal and said output signal is performed by a signal selector that is coupled to said a first power rail ~~that is also coupled to said first device.~~

11. (Original) The method of Claim 10 wherein said signal selector selects said bypass signal when said first power rail is low and said output signal when said first power rail is high.

12. (Original) The method of Claim 10 wherein said signal selector is also coupled to a standby power rail.

13. (Canceled).

14. (Original) The method of Claim 9 wherein said first and second devices are boundary scan compliant devices.

15. (Currently Amended) A system for testing devices, said system comprising:

a first device for test coupled in a scan chain, said first device coupled to a first power rail;

an input line coupled to said first device;

an output line coupled to said first device;

a bypass line coupled to said input line upstream of said first device;

and

a signal selector coupled to said output line and to said bypass line and also coupled to said first power rail, wherein said signal selector selects from an output signal on said output line and an input signal delivered to said signal selector via said bypass line depending on whether said signal selector detects power in said first power rail.

16. (Canceled).

17. (Currently Amended) The system of Claim ~~15~~ 16 wherein said signal selector selects said input signal when said first power rail is low and said output signal when said first power rail is high.

18. (Currently Amended) The system of Claim ~~15~~ 16 wherein said signal selector is also coupled to a standby power rail that powers said signal selector.

19. (Canceled).

20. (Original) The system of Claim 15 further comprising:
a second device for test coupled to said signal selector.

21. (Original) The system of Claim 20 wherein said first device is coupled to one power rail and wherein said second device is coupled to a different power rail.

22. (Original) The system of Claim 15 wherein said signal selector is a multiplexer.

23. (Original) The system of Claim 15 wherein said first device is boundary scan compliant.